

## **WHAT IS CLAIMED**

1. An air conditioner system, comprising:
  - an upstanding, vertically elongated housing having a vertical channel and at least one air vent allowing air to enter said vertical channel;
  - an ion generating unit positioned in said housing, including:
    - an emitter electrode; and
    - a collector electrode configured to rest within said vertical channel; and
  - a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertical channel, and thereby out of said housing;
  - wherein said collector electrode is vertically returnable into said vertical channel such that gravity will assist with return of the collector electrode to rest within said vertical channel.
  
2. An air conditioner system, comprising:
  - an upstanding, vertically elongated housing having a vertical channel and at least one air vent allowing air to enter said vertical channel;
  - an ion generating unit positioned in said housing, including:
    - an emitter electrode; and
    - a collector electrode configured to rest within said vertical channel; and
  - a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertical channel and returning said collector electrode to said vertical channel.
  
3. An air conditioner system, comprising:
  - an upstanding, vertically elongated housing having at least one air vent allowing air to enter said housing;
  - an ion generating unit positioned in said housing, including:
    - an emitter electrode; and
    - a collector electrode; and
  - a handle secured to at least said collector electrode to assist a user with vertically lifting said collector electrode out of said vertically elongated housing,
  - wherein said collector electrode is vertically returnable into said vertically elongated housing such that gravity will assist with return of the collector electrode to rest within said housing.